

REMARKS

Further to the Amendment filed June 4, 2002, the foregoing amendments have been made to correct minor errors in the specification. These changes are not believed to create new matter. Favorable consideration is requested.

Claims 1-5 and 7-16 remain pending in the application, with Claims 1 and 15 being independent. These claims are believed to remain allowable.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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Application No. 09/772,989
Attorney Docket No. 02369.012210

VERSION WITH MARKINGS TO SHOW CHANGES MADE TO SPECIFICATION

The paragraph at page 1, lines 6-27 has been amended as follows.

--The present invention relates to a stereoscopic image display method that permits an observer to observe a stereoscopic image without special glasses and a stereoscopic image display apparatus using [it] the method and, more particularly, to a stereoscopic image display method and a stereoscopic image display apparatus that are adapted to display a stereoscopic image in such a manner that a synthetic parallax image obtained by alternately arranging stripes of parallax images from two or more view points in a predetermined order is displayed on an image display element such as a CRT or an LCD, light from the image is condensed onto a mask pattern by an optical system consisting of a lenticular lens or the like placed in front of the image display element to transmit only predetermined parallax image light, and the parallax image light transmitted by the mask pattern is converged at predetermined view point positions on an observation surface by an optical system placed in front of the mask pattern, and that are preferably applicable to stereoscopic display, for example, in television, video, and computer monitors, game machines, and so on.--

The paragraph at page 2, lines 2-12 has been amended as follows.

--The parallax barrier and lenticular methods are well-known as

conventional methods of stereoscopic image display in which the image display element such as the CRT or the LCD displays the synthetic stripe parallax image obtained by alternately arranging stripes of parallax images from two or more view points in [the] a predetermined order and in which the display light from the parallax image is guided only to the view point positions corresponding to the parallax images by the optical member placed in front of the image display element...

The paragraph at page 3, lines 1-15 has been amended as follows.

--In the parallax barrier and lenticular methods, the synthetic stripe parallax image is a vertical stripe synthetic parallax image in which vertically long stripes of parallax images are alternately displayed, and the directing of the parallax images toward the view points is effected by parallax barriers or lenticular lenses placed in front of pixel positions of the vertical stripe images and in front of the image display element. When [the] an image display element having discrete pixels such as [the] a CRT or [the] an LCD is used as an image display element in these methods, [there appear] dark portions without display light appear on the observation surface in correspondence to the so-called black matrix part between pixel and pixel, so as to narrow down the horizontal width of the effective observation area--

The paragraph at page 3, lines 16-27 has been amended as follows.

--In the method proposed in Japanese Patent Application Laid-Open No. 9-311294, [the] a transmissive image display element such as [the] an LCD is used as an image display element and the directing of the display light toward the positions of the left and right eyes is effected by directing the illumination light by an optical system placed behind the image display element. In this method, crosstalk occurred in certain cases if the direction of the display light [is] was disturbed, for example, by diffusion in the transmissive image display element such as the LCD or by diffraction in the pixel structure.--



Application No. 09/772,989
Attorney Docket No. 02369.012210

VERSION WITH MARKINGS TO SHOW CHANGES MADE TO ABSTRACT

The paragraph at page 44, lines 2-18 has been amended as follows.

--Parallax images corresponding to a plurality of different view points are [divided] each divided into predetermined stripe images, a synthetic parallax image is synthesized from the stripe images, and display light, from stripe images corresponding to one view point of the synthetic parallax image on the image display element displaying the synthetic parallax image, is guided to a mask member having a mask pattern with predetermined openings and shields by a second optical system placed in front of the image display element. The display light passing through the openings of the mask member is condensed to a position corresponding to the view point on an observation surface a predetermined distance apart, by a first optical system, whereby an observer is permitted to stereoscopically observe image information displayed on the image display element.--

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